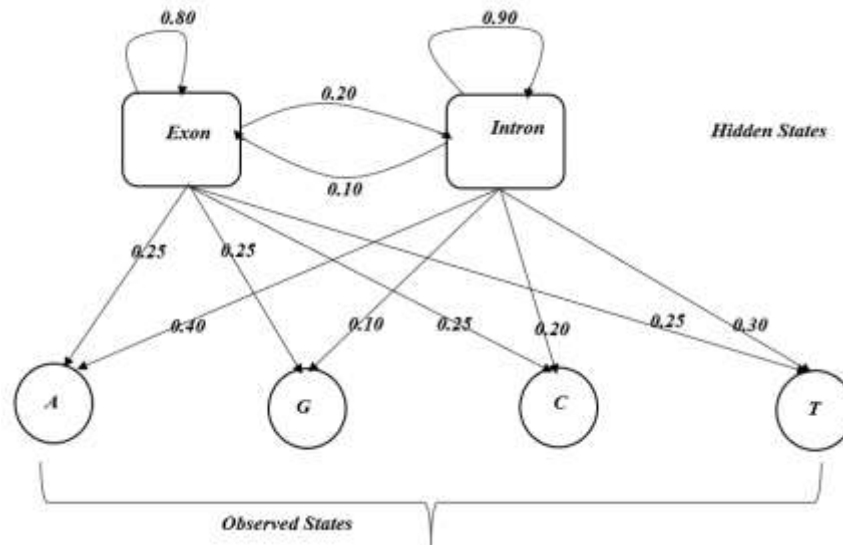Suppose, a gene finding problem is modeled using Hidden Markov Model as depicted in the below diagram.

Identify the sequence of most likely hidden states of the following sequence: **GCACT**